AR2500 SERVICE INFORMATION

AR-2500 事度 S/N AR2500 Sensitivity					
受信用波数	SINAD 12dB	30dBIN S/N	受信用波数	SINAD 12dB	30dBIN S/N
N/PM 5.0MHz " 10 " " 15 " " 25 " AM 25 " AGC N/PM 35 MHz " 45 " " 85 " " 85 " " 75 " " 85 " N/PM 105 " N/PM 125 " N/PM 135 " N/PM 135 "	+7 d B +4 "" " " " " " " " " " " " " " " " " "	B	N/PM 515 MBz # 525 # # 535 # # 545 # # 550 # # 555 # # 800 # # 850 # # 950 # # 1040 #	-1dB 0 " +2 " +4 " +6 " -1 " -4 " -1 "	31dB -31" 311" 313" 333" 333"
			DSB. TUN メインシフト Main Shift ファインシフト Fine Shift	+4.741 -2.35	Z
# 155 # 165 # 175 # 185 # 185 # 195 # 205 # 225 # 225 # # 255 # 255 # 255 # 255 # 255 # 255 # 255 # 255 # 255 # 255 # # 255 # 25	# " " " " " " " " " " " " " " " " " " "	######################################			
145551855	74.55 79 55 79 55 79 55 79 55 79 79 79 79 79 79 79 79 79 79 79 79 79 7	***************************************			
# 405 # # 415 # # 425 # # 435 # # 445 # # 455 # # 485 # # 485 # # 485 # # 485 # # 485 #		**************************************			

AR2500

- Select 900.000MHz, N/FM, 5KHz step.
 Set SSG frequency to 45.03MHz, 3KHz Dev.
 Adjust T3, T15, T16, T17, VC-5 for best SINAD point.
- Select 900.005MHz, N/FM, 5KHz step.
 Set SSG frequency to 45.025MHz, 3KHz Dev.
 Adjust VC-4 for best SINAD point.
- SINAD value should be the same on the both of above freq. selected.
- 4. Select 1040MHz, N/FM, 5KHz step. Set SSG frequency to 1040.000MHz, 3KHz Dev. Adjust VC-1 for best SINAD point.
- 5. Select 550.000MHz AM 25KHz step. Set SSG frequency to 550.000MHz, AM 60% mod. Adjust T4, T11, T12, VC2, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, T18 for maximum AF output.
- 6. Select 540.000MHz AM 12.5KHz step. DSB switch on. Set SSG frequency 540.000MHz. No modulation. Adjust T600 coil on DSB PCB for 0 output of AF. (VR MIN.FIN are to be set as mid.)
- 7. Select 530.000MHz, W/FM, 5KHz step. Set SSG frequency 530.000, 30KHz Dev. Adjust T10, 13, 14, 6, 7, 8, 9 for best SINAD point.
- 8. Select 95.000MHz, N/FM. Turn SSG output off and adjust VR4 for one LED emitting.
- 9. Select 95.000MHz, N/FM, 5KHz step. Set SSG frequency 95.000MHz, 3KHz Dev. +6dB output. Adjust VR1 for 3 of these LED emitting.
- 10. Select 85.000MHz, 12.5KHz step, AM.
 Set SSG for 85.000MHz, 60% modulation, AM output +80dB
 and observe all LEDs are on, no distorted output wave.
 If distorted, adjust the VR1.
- 11. Select 75.000MHz, 25Khz step. W/FM. Set SSG Freq. for 75.000MHz 30KHz Dev. +16dB. Adjust VR2 for three of these LEDs are on.

AR-2500

 RS-232Cのコネクター結議は、下記の通りです。 RS232C Connections 76 PIN CTS (CREEN) RTS (ORANGE) 800 " 500 " GND (BROWN) RXD (BEUS) 200 " TXD (YELLOW) 3-08 " PIN, NO1, 4, 6tt. NO WORKTT. PIN No. 1, 4, 6 not used. 200~400MHzのサーチスピード Typical search sped 200-400MHz 2) 16分30秒 5KHz STEEP時 16m 30sec 7分10秒 12. 5KHz 7m 10sec 25KHz " 3分35秒 3m 35sec 島皮の家定データ Sensitivity Data 3) See the last page 別紙参照 イメージ比 4) Image Ratio 1ST (45. 0125MHz) 3 d B ① 860MHz帯 2nd (455KHz) 684B 1ST (750MHz) 勘定不能 VHF存 2nd (45.0125MHz) 58dB 3rd (455KHz) 834B 1ST (750MHz) 類定不能 VHF/W. FM

2nd (45.0125MHz) 63dB

74dB

3rd(10.7MHz)

A couple of points worth noting on the AR2500 are:

1. The operating manual gives quite a lot of detail about computer control but does NOT show the connections

Ptn 2 CTS

Ptn 3 RTS

Pin 5 GND.

Pin 7 RXD

Pin 8 TXD

We are currently working with a UK software author with the aim of producing a high-performance IBM-PC based program within the next 2 months or so. The target price is £49 00 pounds.

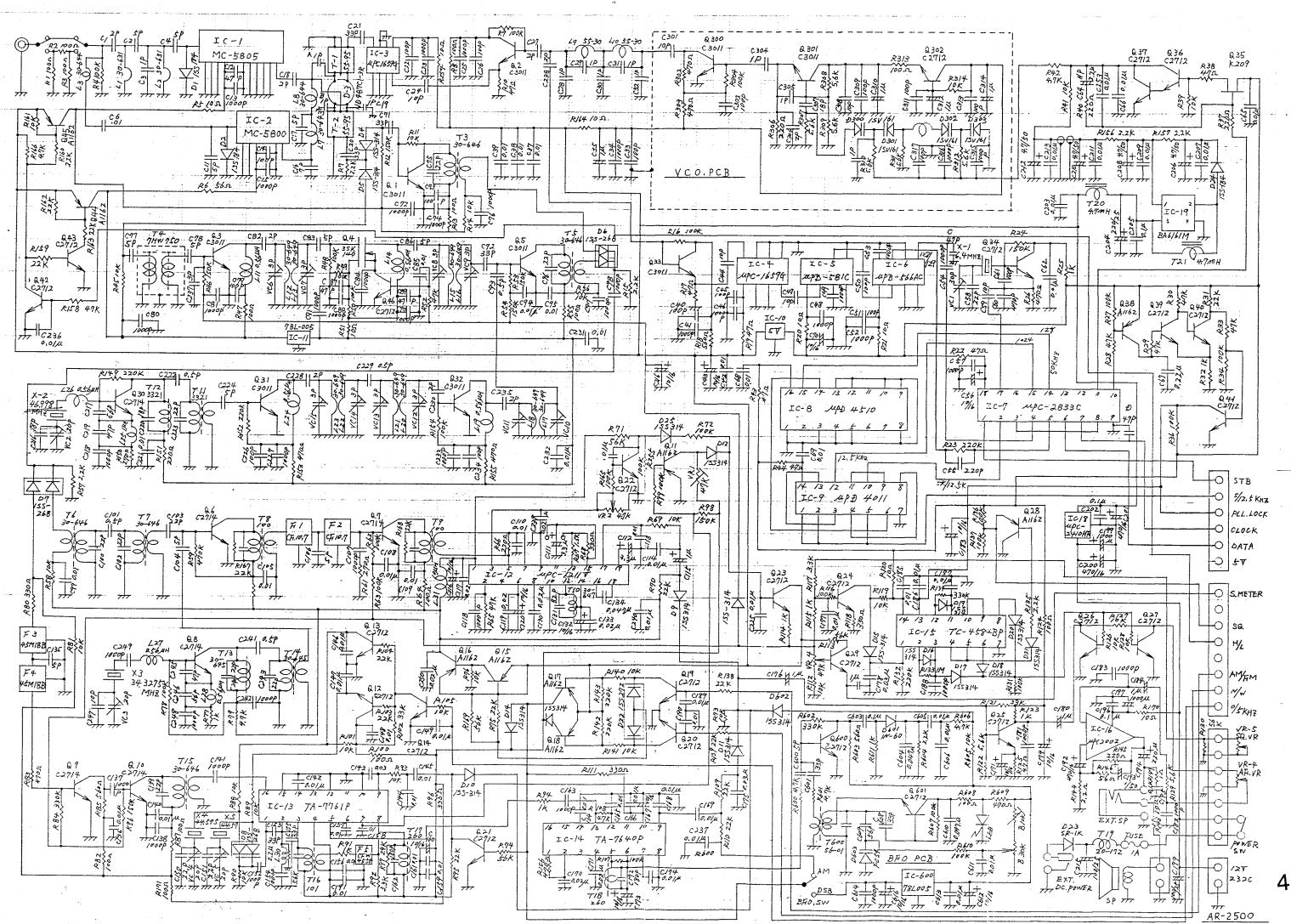
At this time the only software available in the world is from the USA priced at \$399.

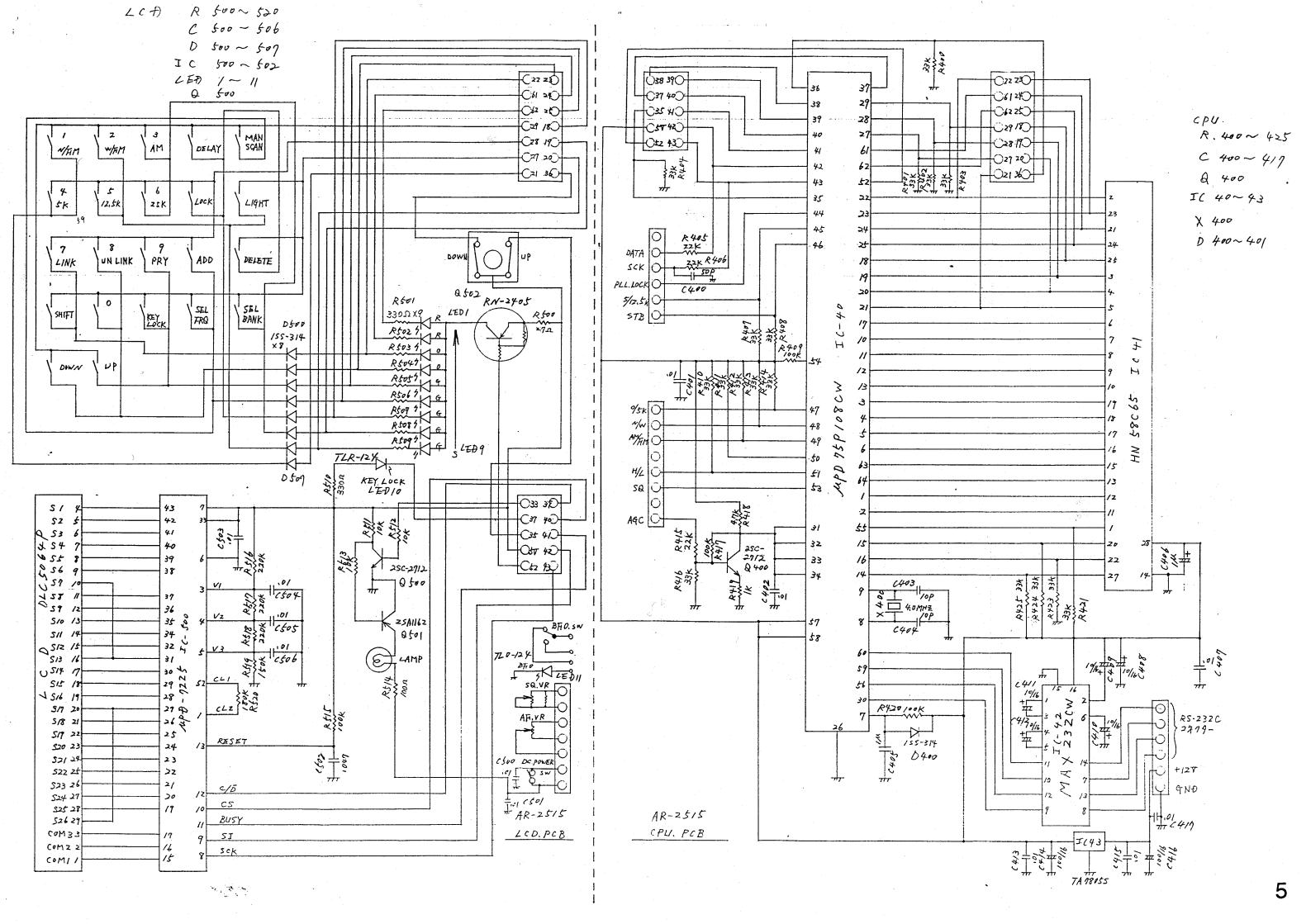
We are looking at ways of improving the operating manual and may consider a re-write.

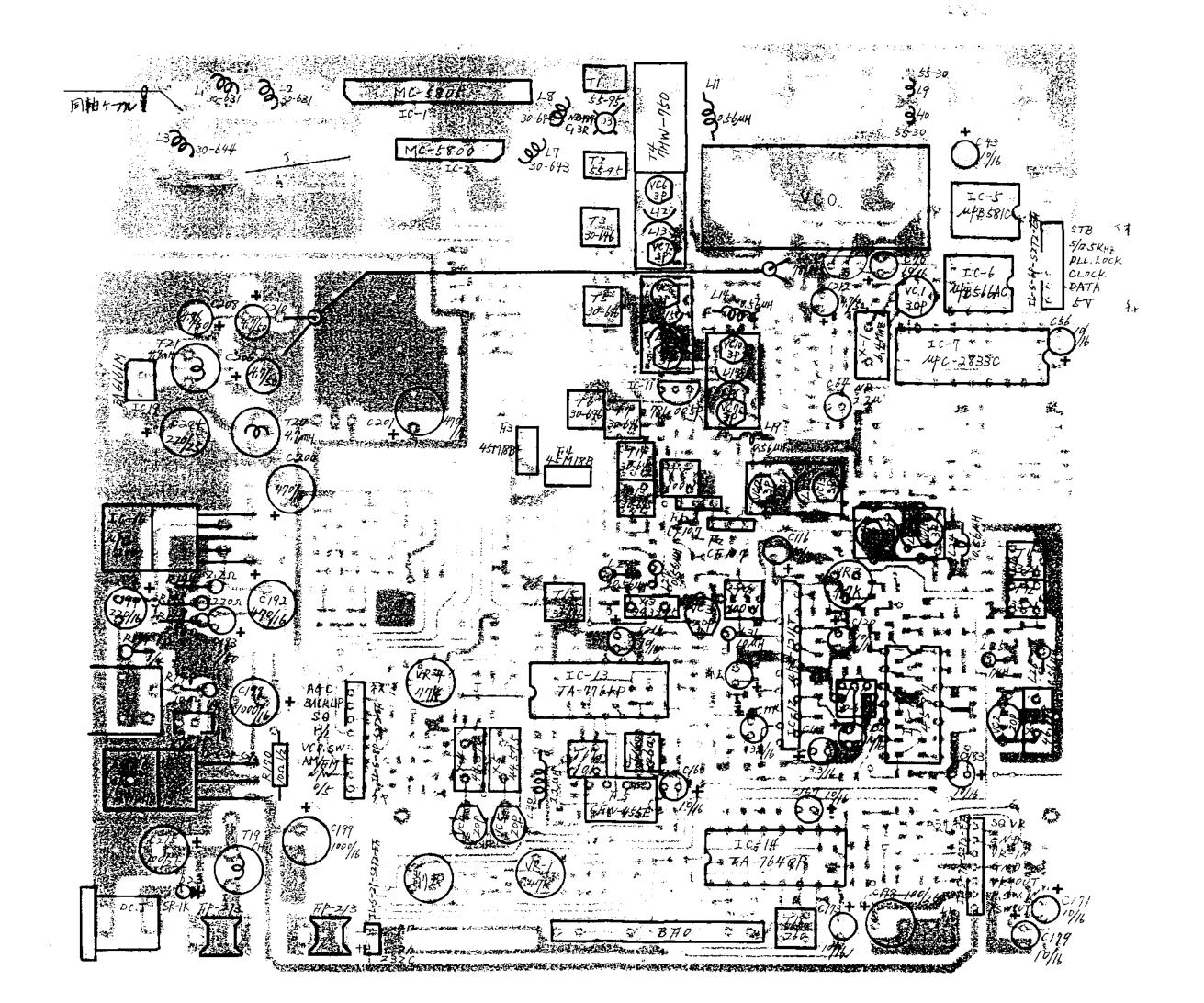
- 2. The visibility of the display is poor from certain angles, an improvement can be made by lifting the front of the set. We have received a 'sample bail' from Japan similar in design to that supplied with the Kenwood TR9130. We hope this will be included with future shipments.
- 3. The lamp is very low intensity and will only be visible during night-time operation.
- 4. There is NO MANUAL MODE as such, instead you must use the program search facility as described in the operating manual. Program memory 63 and above with upper limit, lower limit, mode and step.

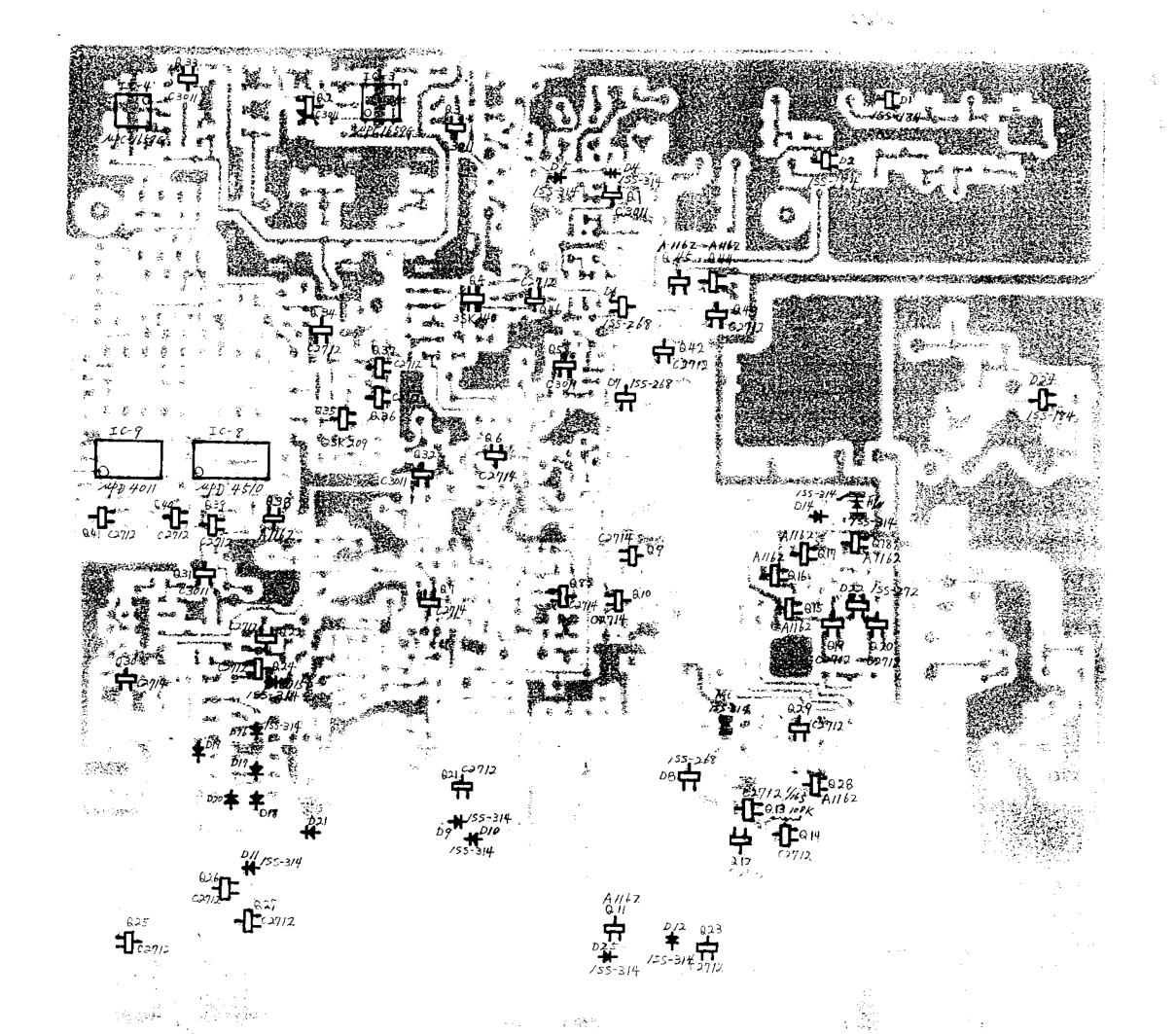
Due to the RESORTING procedure used by the microprocessor to ensure high search speed, the operating of the rotary tuning control is compromised in the anti-clockwise (downward) direction. This is normal for this model and does not constitute a fault.

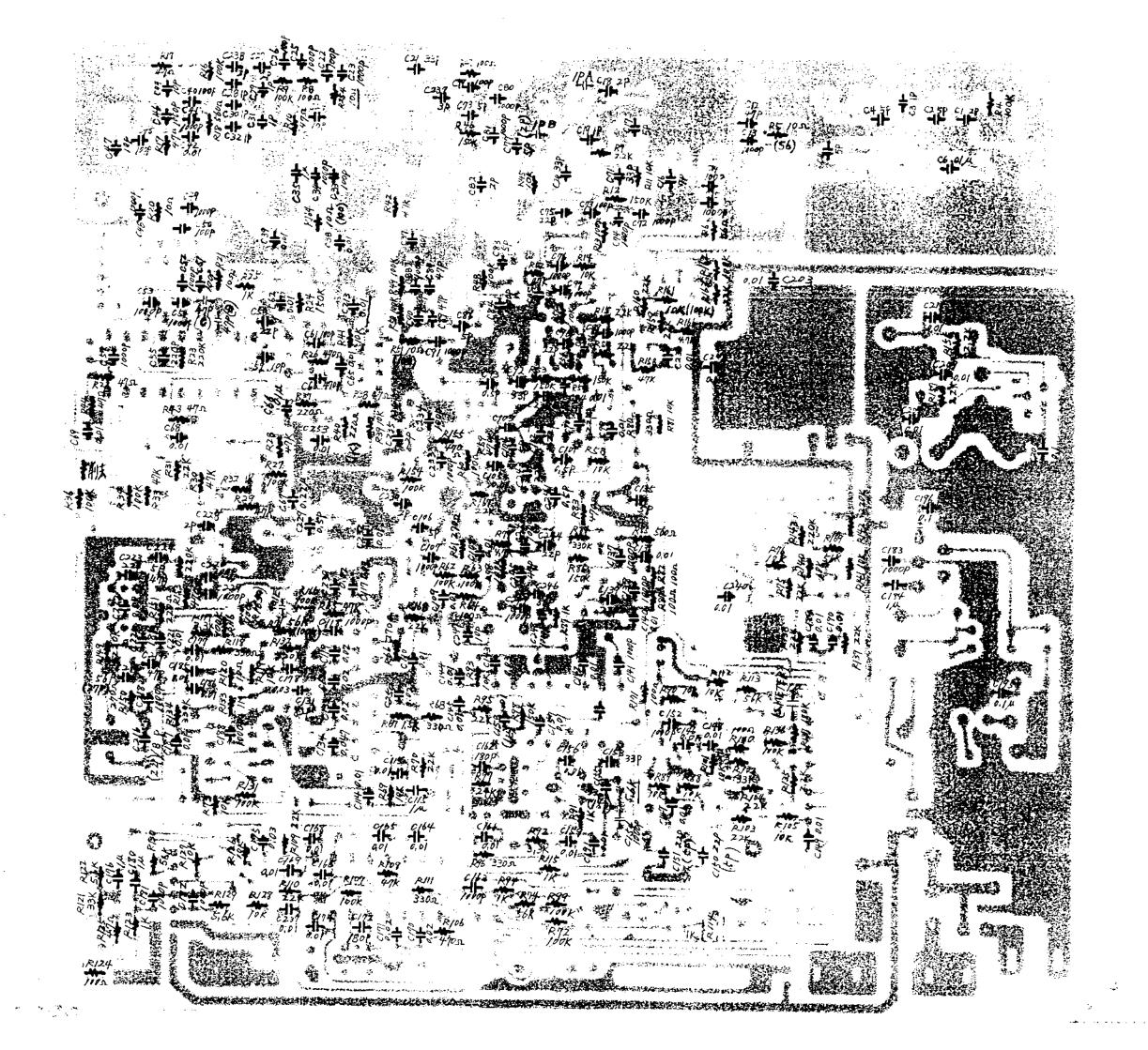
- 5. As you will already be aware, the AR2500 has a specification change since our pre-production model on which our advertising was based. The coverage is now stated as 5 MHz to 550 MHz plus 800 MHz to 1300 MHz, and not as stated earlier (500 kHz 1500 MHz).
- 6. Often a thin plastic film is placed across the keypad and/or display to add protection (it varies from set to set). This should if possible be pointed out to the customer. Often the set is thought to be scratched where in reality it has marks in the plastic protective film.





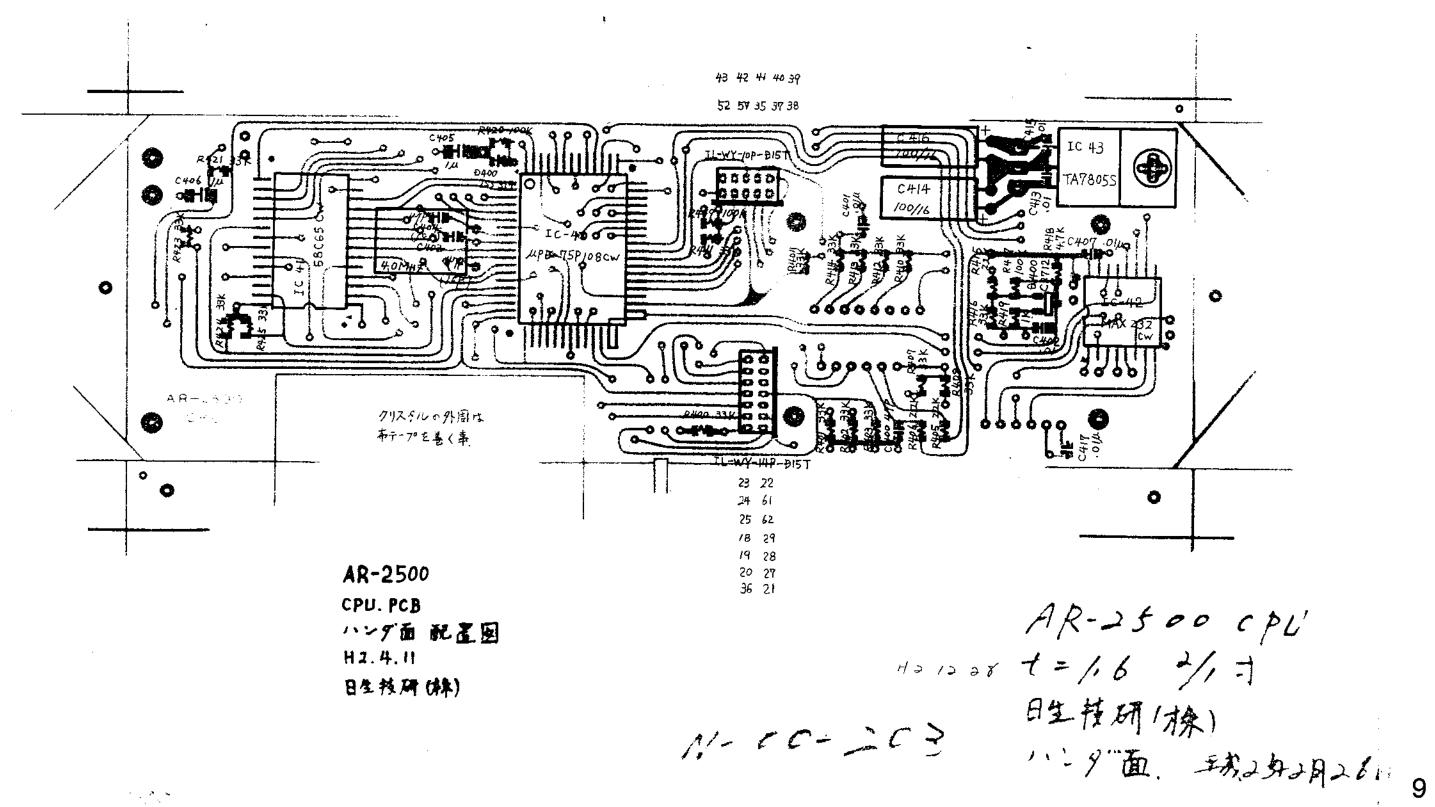


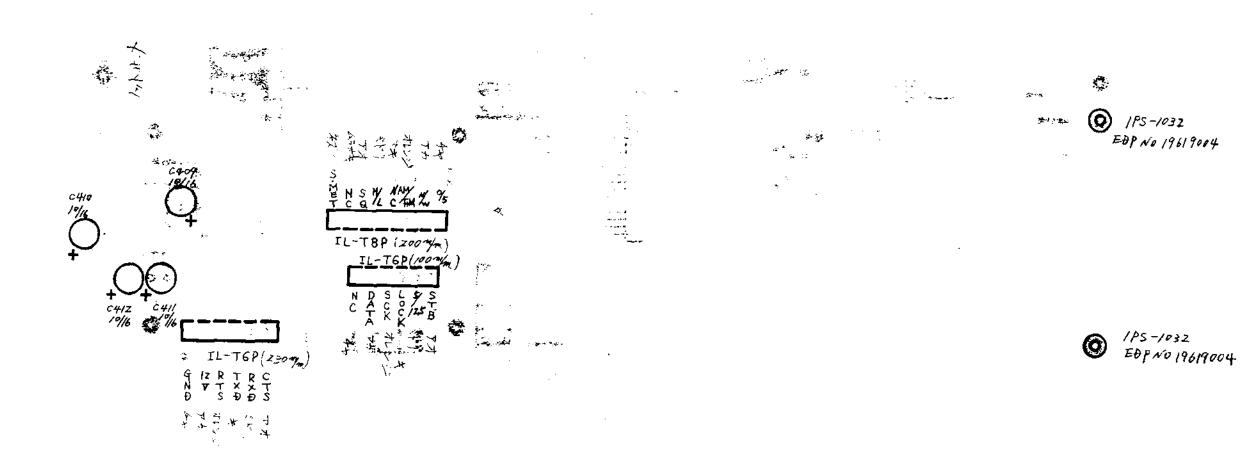




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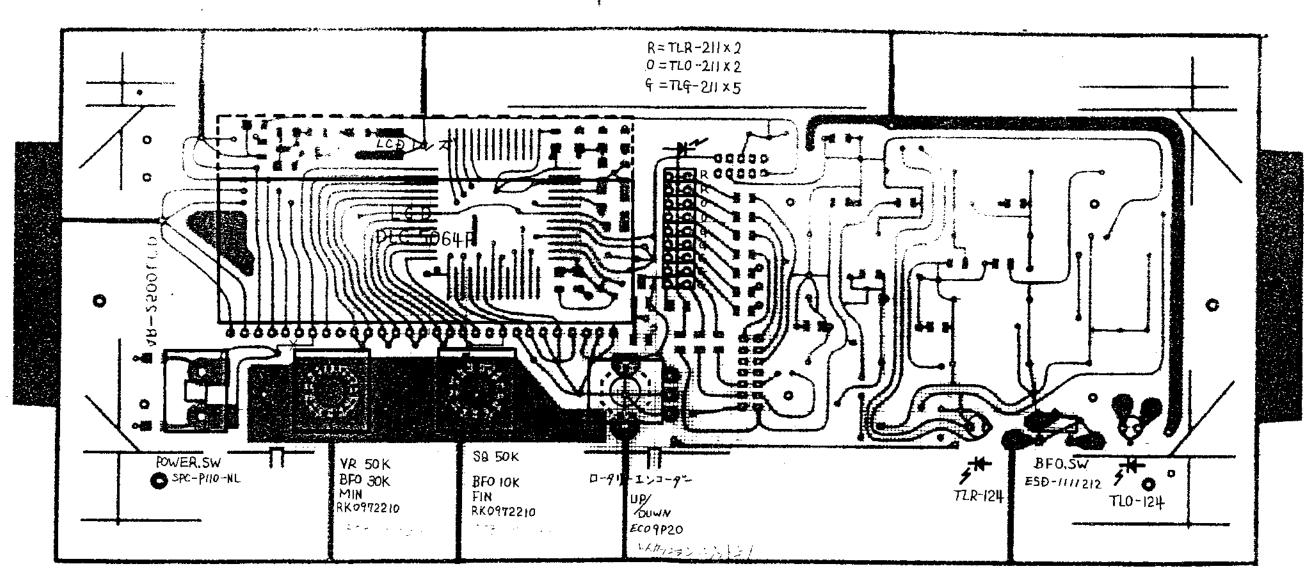
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(これのは削してす)

AR-2500 C P U. P C B 部品面 配置 図 H 2.4-11 H2.12.28 B生核所(株)

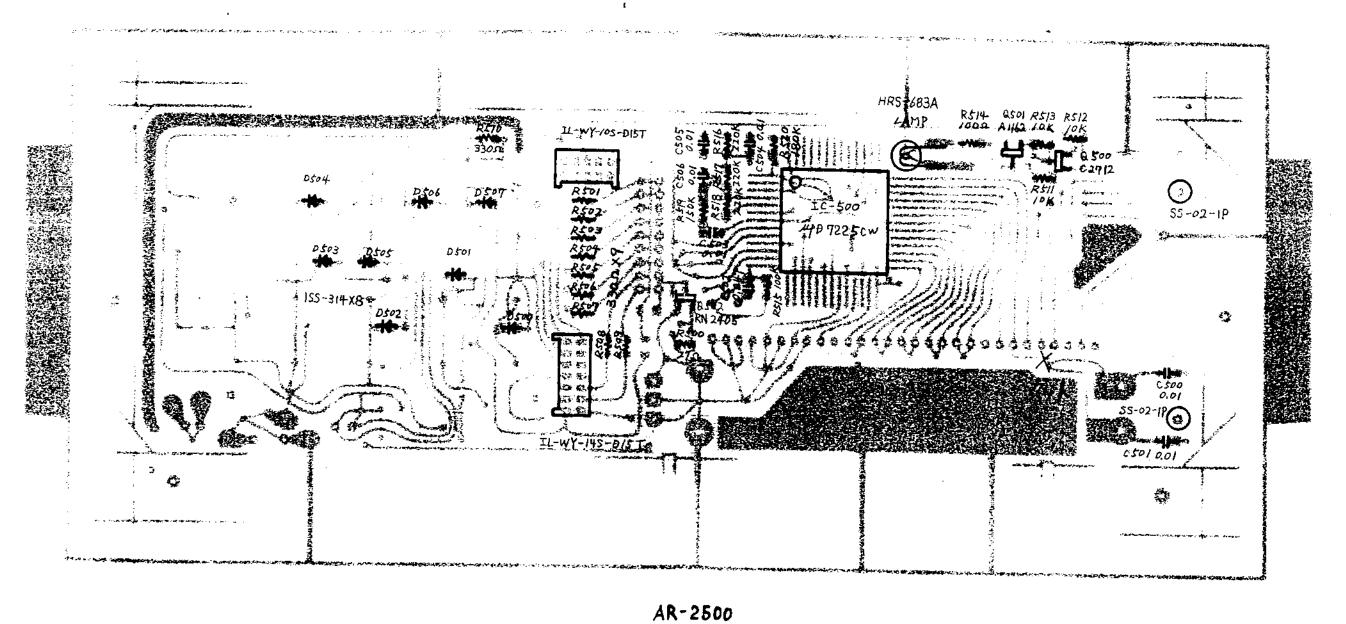


注,TLR-124 TLO-124付 15-9ス 名-プモ入ル高さに注意する事 H2-12-28

AR-2010E t=16 AR-25002CD 41 4 N-00-202

ハンダ面

AR-2500 LCD.PCB 部品面 H 2. 4.11 B生核研(終)



LCD.PCB ハンダ菌 H 2. 4. II 日生核研(株) 12 16 AR-25002(1)
12

 α カライナ 1746 南1七人(c304) 及なか300、カサンナ マース1日です。 D300~303 RET 91/01 50184 - 0093I 1000 C606 0.01 £ 0 10,08 (1) \$601(W-60) A - BFO. CUT - AM. SW ±8 455,/NPUT , 464 184 GNB.

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